

February 11, 2014
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REPA5-1518-006

Mr. Allen Wojtas
Contract Level Task Order Contracting Officer Representative
U.S. EPA Region 5
77 West Jackson Blvd. (LP-7J)
Chicago, IL 60604

Subject: EPA Contract No. EP-W-12-031, Task Order 5518, Corrective Action Support for ArcelorMittal Indiana Harbor West, Task 04. Technical Review of Additional Site Investigation Report for the Former Coke Plant, ArcelorMittal Indiana Harbor LLC, East Chicago, Indiana

Dear Mr. Wojtas:

In response to Task Order 5518 under EPA Contract No. EP-W-12-031, Task 04, Booz Allen Hamilton (Booz Allen) has reviewed the January 2014 Additional Site Investigation Report for the Former Coke Plant at the ArcelorMittal Indiana Harbor LLC West Mill (ArcelorMittal West) facility in East Chicago, Indiana. Booz Allen's review focused on determining whether the investigation was properly implemented, whether sufficient information was obtained to meet stated objectives of the investigation, and whether the report's conclusions are technically sound and adequately documented. Comments generated during the course of this review are included in the attachment and should be addressed prior to approval of the report.

Based on our review, the following data gaps appear to remain at the ArcelorMittal West facility:

- The horizontal extent of soil contamination requires further delineation in the area east and west of the benzol storage area (i.e., west and northeast of boring SB-880).
- The horizontal extent of soil contamination north of boring SB-875 is incomplete.
- The vertical extent of soil contamination is not known (for at least one constituent above data quality objectives) at borings SB-875, SB-876, SB-878,

SB-880, SB-881, SB-883, MW-809M, MW-822D, MW-824D, MW-826M, and MW-827S.

- The western extent of LNAPL has not yet been determined.
- Groundwater contamination east and west of the former benzol storage area requires further evaluation, especially given the westward component of groundwater flow across the northern portion of the site.
- Several areas of groundwater contamination have not yet been fully evaluated. The extent of arsenic and thallium impacts around well MW-822 are unknown, and the western extent of arsenic and benzene exceedances in shallow groundwater along the western edge of the property between wells MW-801 and MW-814 has not yet been delineated.

Additional investigation is recommended to close these data gaps. It should be noted that, in some cases, it may be possible to complete soil contaminant delineation concurrent with implementation of the chosen remedy.

If you have any questions regarding this deliverable, please contact me at (312) 578-4757 or Michele Benchouk at (215) 393-1233.

Sincerely,



Frances B. Hodge
Task Order Manager

BOOZ ALLEN HAMILTON

Enclosure

cc: Brian Freeman, EPA TOCOR
Jonathan Adenuga, EPA Technical Representative